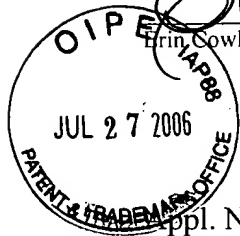


CERTIFICATE OF TRANSMISSION/MAILING

Ref. No.: 12439-0186

2PW/2833

I hereby certify that this correspondence is being facsimile transmitted to the USPTO at (571) 273-8300 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 25, 2006.



Erin Cowles

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/547,561
Applicant : Mathieu et al.
Filed : April 12, 2000
TC/A.U. : 2833
Examiner : Alexander Gilman

Confirmation No. 6320

Docket No. : P98-US

Attn: Paul Shanowski

Mail Stop Petition

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**RENEWED PETITION UNDER 37 CFR 1.181 FOR RECONSIDERATION OF
HOLDING OF ABANDONMENT**

To Whom It May Concern:

In response to the Decision On Petition dated June 5, 2006 in the above identified patent application, Applicants respectfully renew the request for reconsideration and withdrawal of the holding of abandonment in the Notice of Abandonment mailed November 2, 2005 (hereinafter the "Notice of Abandonment") in the above-identified patent application on the grounds that there is no abandonment in fact. (See MPEP § 711.03.) The petition is renewed in full with the addition of a statement of first-hand knowledge by Erin Cowles as required by 37 CFR 1.8(b), which is attached hereto as exhibit C.

As stated in the first Petition filed on November 30, 2005, the only grounds for abandonment stated in the Notice of Abandonment of November 2, 2005 was failure to file a proper reply to the non-final Office Action mailed on April 4, 2005. In fact, however, Applicants filed a timely and proper reply by facsimile transmission on August 3, 2005 (hereinafter the "Reply"). The Reply consisted of 17 pages and included all of the following documents: a facsimile transmission cover sheet, a Transmittal Form, a Fee Transmittal form, a

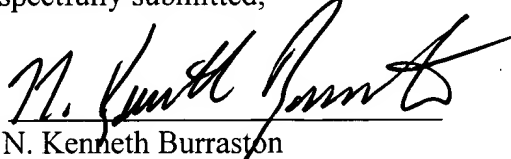
Credit Card Payment form, a nine-page Amendment, a Petition For Extension Of Time requesting a one month extension of time, a General Authorization To Charge Deposit Account, and a General Authorization/Petition For Extension Of Time. The foregoing Reply—a copy of which is attached hereto as Exhibit A—constitutes a proper and timely replay to the non-final Office Action mailed April 4, 2005.

As evidence that the Reply was transmitted by facsimile to the USPTO on August 3, 2005, Applicants point to the certificates of transmission/mailing on the Fee Transmittal, the Amendment, and the Petition For Extension Of Time. (In the Statement Of Personal Knowledge attached hereto as Exhibit C, Erin Cowles attests to a personal knowledge that the foregoing documents were in fact transmitted by facsimile to the USPTO on August 3, 2005 as stated in the Certificates of Transmission/Mailing on each document.) As evidence that the Reply was received by the USPTO at the USPTO's central facsimile number of (571) 273-8300, Applicants identify the Communications Result Report attached hereto as Exhibit B. As indicated near the top, the Communications Result Report shows transmission of the 17-page Reply at 9:30am on August 3, 2005 to facsimile number (571) 273-8300 and identifies the result of the transmission as "OK."

In summary, Applicants in fact filed a timely and proper response to the Office Action mailed April 4, 2005 in the form of the 17-page Reply attached hereto as Exhibit A as evidenced by Exhibits A and C, and that Reply was in fact received by the USPTO at the central facsimile number of (571) 273-8300 on April 3, 2005 as evidenced by Exhibit B. Applicants therefore assert that there is no abandonment in fact and, accordingly, respectfully request withdrawal of the holding of abandonment.

Respectfully submitted,

Date: July 25, 2006

By 
N. Kenneth Burraston
Reg. No. 39,923

Kirton & McConkie
1800 Eagle Gate Tower
60 East South Temple
P.O. Box 45120
Salt Lake City, Utah 84111-1004
Telephone: (801) 323-5934
Fax: (801) 321-4893

Attachments:

Exhibit A
Exhibit B
Exhibit C



**KIRTON &
McCONKIE**

TELEPHONE (801) 328-3600
FACSIMILE (801) 321-4893

A PROFESSIONAL CORPORATION
1800 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
P.O. BOX 45120
SALT LAKE CITY, UTAH 84145-0120

FACSIMILE TRANSMISSION SHEET

DATE: August 3, 2005

BILLING #: 12439.186

TO: Examiner Alexander Gilman
Commissioner for Patents

FAX #: (571) 273-8300

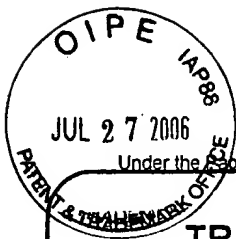
FROM: N. Kenneth Burraston

17 NUMBER OF PAGES INCLUDING COVER SHEET

COMMENTS:

**IF YOU DO NOT RECEIVE ALL OF THE PAGES,
PLEASE CALL OUR OFFICE AT (801) 328-3600 AS SOON AS POSSIBLE.**

This is a confidential communication and is not to be delivered or read by any person other than the addressee.
Facsimile transmission is not intended to waive the attorney-client privilege or any other privilege.
If this transmission is received by anyone other than the addressee, the recipient is requested to call Kirton & McConkie
collect at (801) 328-3600, and to immediately return this document to Kirton & McConkie by United States mail.
Kirton & McConkie guarantees return postage.



12435-0186

PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 09/547,561

Filing Date April 12, 2000

First Named Inventor Mathieu, et al.

Art Unit 2833

Examiner Name Alexander Gilman

Attorney Docket Number P98-US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	General Authorization To Charge Deposit Account
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	General Authorization/Petition For Extension Of Time
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name Kirton & McConkie

Signature

Printed name N. Kenneth Burraston

Date August 3, 2005

Reg. No. 39,923

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name Erin Cowles

Date August 3, 2005

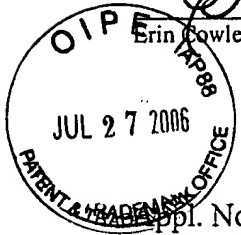
This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

CERTIFICATE OF TRANSMISSION/MAILING

Ref. No.: 12439-0186

I hereby certify that this correspondence is being facsimile transmitted to the USPTO at (571) 273-8300 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA-22313-1450 on August 3, 2005.



Erin Bowles

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/547,561
Applicant : Mathieu et al.
Filed : April 12, 2000
TC/A.U. : 2833
Examiner : Alexander Gilman

Confirmation No. 6320

Docket No. : P98-US

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

FEE TRANSMITTAL

To Whom It May Concern:

1. Total Fee Paid: \$120.00**2. Method of Payment:**

☐ Check ☒ Credit Card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Account Number 500843
Account Name Kirton & McConkie

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit overpayments
☒ Charge any additional fee(s) or any underpayment of fee(s)
to the above-identified deposit account.

3. Fee For Extra Claims:

Extra Claims					Fee/Claim		Fee Paid
Total Claims	31	- 81*	=	0	x	50	= 0
Indp. Claims	1	- 3**	=	0	x	200	= 0
Multiple Dependent Claims					x	360	= 0

* 20 or highest number of total claims previously paid for.

** 3 or highest number of independent claims previously paid for.

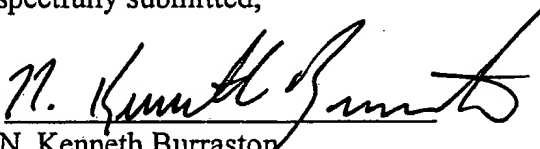
4. Additional Fees:

Fee Description	Fee Paid
Surcharge – late filing fee or oath (\$130)	
Extension of one month (\$120)	120
Extension of two months (\$450)	
Extension of three months (\$1020)	
Extension of four months (\$1590)	
Extension of five months (\$2160)	
Notice of Appeal (\$500)	
Filing appeal brief (\$500)	
Request for oral hearing (\$1000)	
Submission of IDS (\$180)	
Record patent assignment (\$40)	
RCE (\$790)	
Fee for Terminal Disclaimer (\$130)	
Other:	

Respectfully submitted,

Date: August 3, 2005

By


N. Kenneth Burrastop
Reg. No. 39,923

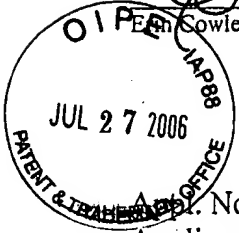
Kirton & McConkie
1800 Eagle Gate Tower
60 East South Temple
P.O. Box 45120
Salt Lake City, Utah 84111-1004
Telephone: (801) 323-5934
Fax: (801) 321-4893

CERTIFICATE OF TRANSMISSION/MAILING

Ref. No.: 12439-0186

I hereby certify that this correspondence is being facsimile transmitted to the USPTO at (571) 273-8300 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 August 3, 2005.

Erin Cowles
Erin Cowles



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No. : 09/547,561
Applicant : Mathieu et al.
Filed : April 12, 2000
TC/A.U. : 2833
Examiner : Alexander Gilman

Confirmation No. 6320

Docket No. : P98-US

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

To Whom It May Concern:

In response to the Office Action of April 4, 2005, the shortened statutory period for response to which has been extended to August 4, 2005 by the accompanying Petition For Extension Of Time, please amend the above-identified application as follows:

Amendments to the Claims are reflected in the list of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 7 of this paper.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Currently amended): An interconnection element comprising:

a first element material adapted to be coupled at a first end to a substrate, a second end of the first element being releasable from the substrate; and

a second different element material coupled to the first element material,

wherein one of the first element material and the second element material ~~comprises a material having a property that may be transformed~~ is transformable in response to an external stimulus applied to one of the first and second element materials such that upon transformation, a geometric shape of the interconnection element is modified to a shape suitable for use as an interconnection element, and wherein the interconnection element has an overall thickness greater than 1 μm such that, while the second end of the first element material is released from the substrate, the interconnection element has a first geometric shape before application of the external stimulus and a second geometric shape after application of the external stimulus, and the second geometric shape is different than the first geometric shape.

Claim 2 (Original): The interconnection element of claim 1, wherein the interconnection element is of a size suitable for directly contacting a semiconductor device.

Claim 3 (Currently amended): The interconnection element of claim 1, wherein a transformation of the one of the first element material and the second element material is ~~irreversible~~ permanent such that, after removal of the external stimulus, the interconnection element does not return to the first geometric shape.

Claim 4 (Currently amended): The interconnection element of claim 1, wherein ~~the property is such that a first volume of one of the first element material and the second element material is adapted to be transformed to a different second volume~~ application of the external stimulus to the one of the first element material or the second element material changes a volume of the one of the first element material or the second element material.

Claim 5 (Currently amended): The interconnection element of claim 4, wherein ~~the first element material and the second element material are arranged in a configuration such that the second element material overlies the first element material and, in response to the external stimulus, the first volume of the second element material is greater than the second volume~~ increases.

Claim 6 (Currently amended): The interconnection element of ~~claim 4~~ claim 1, wherein the first element material is thermally stable and a transformation of the second element material from the first volume to the second volume is a result of exposing the second element material to the external stimulus comprises heat.

Claim 7 (Currently amended): The interconnection element of ~~claim 6~~ claim 4, wherein ~~the second volume comprises about 90 percent of the first volume of the second element material~~ application of the external stimulus to the one of the first element material or the second element material decreases a volume of the one of the first element material or the second element material.

Claim 8 (Currently amended): The interconnection element of claim 1, wherein each of the first element material and the second element material ~~have a~~ is transformable property in response to an external stimulus.

Claim 9 (Previously Presented) The interconnection element of claim 1, wherein at least one of the first element material and the second element material are introduced by plating.

Claim 10 (Original): The interconnection element of claim 1, wherein at least one of the first element material and the second element material are introduced by sputtering.

Claim 11 (Original): The interconnection element of claim 1, wherein at least one of the first element material and the second element material are introduced by electroless plating.

Claim 12 (Original): The interconnection element of claim 3, wherein the first element material comprises palladium or its alloy.

Claim 13 (Previously Presented) The interconnection element of claim 4, wherein the first element material is an alloy comprising palladium/cobalt and an activation layer comprises one of copper and nickel.

Claim 14 (Original): The interconnection element of claim 13, wherein the second element material further comprises nickel.

Claim 15 (Original): The interconnection element of claim 13, wherein the second element material comprises a nickel alloy.

Claim 16 (Currently amended): The interconnection element of claim 1, wherein the one of the first element material and the second element material ~~comprises a shape memory alloy~~ changes shape to a previously defined shape in response to the external stimulus.

Claim 17 (Currently amended): The interconnection element of claim 16, wherein the second element material ~~comprises the shape memory alloy~~ changes shape to a previously defined shape in response to the external stimulus, and the second element material overlies the first element material.

Claim 18 (Currently amended): The interconnection element of claim 1, wherein ~~the property is a stress and the transformation reduces the magnitude of the stress of the material~~ one of the first element material and the second element material comprises an inherent stress and the external stimulus reduces the inherent stress.

Claim 19 (Currently amended){ ~~The interconnection element of claim 18, wherein the first element material comprises the material having the property and the second element material has the inherent stress comprises a tensile stress, wherein upon transformation, the deformation comprises a response to the tensile stress of the second element material.~~

Claim 20 (Currently amended): ~~The interconnection element of claim 19, wherein the second element material is thermally stable and a transformation of the first element material is a result of exposing the first element material to~~ external stimulus comprises heat.

Claim 21 (Currently amended): ~~The interconnection element of claim 18, wherein the first element material comprises the material having the property and the second element material has the inherent stress comprises a compressive stress, wherein upon transformation, the deformation comprises a response to the compressive stress of the second element material.~~

Claims 22-82 (Canceled)

Claim 83 (Currently amended): The interconnection element of claim 1, wherein the overall thickness of the interconnection element is between 1 and 500 μm .

Claim 84 (Currently amended): The interconnection element of claim 1, wherein the overall thickness of the interconnection element is greater than 25 μm .

Claim 85 (Currently amended): The interconnection element of claim 1, wherein the overall thickness of the interconnection element is about 28 μm .

Claim 86 (Previously presented): The interconnection element of claim 1, wherein the first element material has a thickness between 1 and 3 μm .

Claim 87 (Previously presented): The interconnection element of claim 1, wherein the first element material has a thickness of about 5 μm and the second element material has a thickness between about 3 and 6 μm .

Claim 88 (Previously presented): The interconnection element of claim 1, wherein the first element material has a thickness between about 12 and 25 μm .

Claim 89 (New): The interconnection element of claim 1, wherein the overall thickness of the interconnection element is greater than 1 μm .

Claim 90 (New): The interconnection element of claim 1, wherein the one of the first element material and the second element material changes size to a previously defined size in response to the external stimulus.

Claim 91 (New): The interconnection element of claim 90, wherein the second element material changes size to a previously defined size in response to the external stimulus, and the second element material overlies the first element material.

Claim 92 (New): The interconnection element of claim 1, wherein the interconnection element is electrically conductive, and while in the second geometric shape, a free end of the interconnection element is disposed to contact an electronic component and thereby provide an electrical connection between the substrate and the electronic component.

REMARKS/ARGUMENTS

Claims 1, 3-8, 16-21, and 83-85 are amended, and claims 89-92 are newly added. Claims 22-82 were previously canceled. Claims 1-21 and 83-92 are now pending in the application. Applicants respectfully request reexamination and reconsideration of the application.

Claims 7 and 60 were rejected under 35 USC § 112, 1st paragraph on the grounds that the specification does not enable those claims. Claim 60 was not pending in the application at the time of the Office Action. Applicants therefore assume that the rejection of claim 60 was an error. With regard to claim 7, Applicants assert that the specification includes sufficient information for a person of ordinary skill to make and use of the invention of claim 7 without undue experimentation, which is the standard for determining compliance with the first paragraph of section 112. (See MPEP § 2164.01.) Nevertheless, claim 7 has been amended to clarify the claim (not for reasons of patentability), which Applicants believe moots the rejection of claim 7.

Claims 1-15, 18-21, and 83-89 were rejected under 35 USC § 103(a) as obvious in view of U.S. Patent No. 5,613,861 to Smith et al. ("Smith I") and U.S. Patent No. 5,979,892 to Smith ("Smith II"). In addition, claims 12, 13, 16, and 17 were rejection under 35 USC § 103(a) as obvious in view of Smith I and Smith II in combination with one of U.S. Patent No. 5,832,601 to Eldridge et al. ("Eldridge") or U.S. Patent No. 5,810,609 to Faraci et al. ("Faraci"). Applicants respectfully traverse these rejections.

Claim 1 is directed to an "interconnection element" that comprises "a first element material" and "a second element material." A first end of the first element material can be coupled to a substrate, and a second end of the first element material can be released from the substrate. An external stimulus transforms at least one of the first element material or the second element material, causing the interconnection element to change from a first geometric shape to a second geometric shape. As expressly stated in claim 1, the "one of the first element material and the second element material" that transforms in response to the external stimulus—and thus changes the shape of the interconnection element—responds to the external stimulus *"while the second end of the first element material is released from the substrate."*

Thus, unlike Smith I, the structure of the interconnection element of claim 1 is such that the external stimulus that causes the change from the first geometric shape to the second geometric shape may be applied any time *after* releasing the second end of the first element

material from the substrate. In contrast, Smith I's contact structure 15 is not made of a material that responds to an external stimulus to change the geometric shape of the contact structure *after* an end of metal layer 16 is released from substrate 14. (See Smith I Figures 10-13.) Indeed, no external stimulus is relied on; rather, as shown in Figures 10 and 11 of Smith I, releasing the metal layer 16 from the substrate 14 causes metal layer 16 to immediately pop up (as shown in Figure 11). Smith I thus lacks an element material that responds to an external stimulus after the second end of the first element material is released from the substrate, as recited in claim 1. Smith II, which was relied on in the Office Action as allegedly teaching a thickness in excess of one micrometer, does not make up for this deficiency in Smith I, nor does Eldridge or Faraci.

For all of the foregoing reasons, claim 1 patentably distinguishes over the combination of Smith I, Smith II, Eldridge, and Faraci, whether taken individually or in combination.

Claims 2-21 and 83-92 depend from claim 1 and are therefore also patentable over the prior art of record. Moreover, claims 2-21 and 83-92 recite further features not taught or suggested by the prior art.

For example, claim 4 states that the external stimulus changes a volume of the one of the first element material or the second element material. The volume of metal layer 16 is not changed in Smith I, nor does any of the other prior art of record teach or suggest a material that changes volume in response to an external stimulus. All of the prior art of record thus fails to teach or suggest the additional features of claim 4.

As another example, claim 6 states that the external stimulus is heat. Smith I's teaching that metal layer 16 may be deposited by thermal evaporation describes one method by which metal layer 16 may be formed. That teaching says nothing about an external stimulus for transforming the metal layer 16 after an end of the metal layer 16 has been released from substrate 14. Smith I, as well as the other prior art of record, fails to teach or suggest the use of heat as the external stimulus as recited in claim 6.

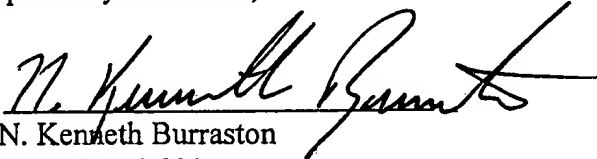
As yet other examples, claim 8 states that both the first element material and the second element material are transformable in response to an external stimulus, and claim 16 states that the one of the first element material and the second element material changes shape to a previously defined shape in response to the external stimulus. None of the prior art record teaches or suggests such features. Claims 8 and 16 are thus further patentable over the prior art of record.

Claims 12 and 13 recite the use of "palladium or its alloy" and "palladium/cobalt," respectively. In the Office Action, the foregoing requirements of claims 12 and 13 are dismissed as mere "alternative material[s]" disclosed in Eldridge. Applicants respectfully submit, however, that the features of claims 12 and 13 cannot be dismissed as mere "alternative material[s]." In some probing applications, palladium, palladium/cobalt, and other palladium alloys provide advantages not found in other materials. For example, in some probing applications, the use of palladium, palladium/cobalt, or other palladium alloys provide superior wear characteristics. These materials are thus not mere alternative material choices but represent improvements in the art. Because the prior art lacks motivation or a suggestion to combine Eldridge's teachings regarding the use of palladium and its alloys with Smith I's and Smith II's spring contact structures, the rejection of claims 12 and 13 should be withdrawn.

In view of the foregoing, Applicants submit that all of the claims are allowable and the application is in condition for allowance. If the Examiner believes that a discussion with Applicants' attorney would be helpful, the Examiner is invited to contact the undersigned at (801) 323-5934.

Respectfully submitted,

Date: August 3, 2005

By 
N. Kenneth Burraston
Reg. No. 39,923

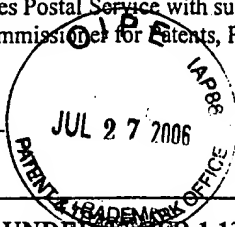
Kirton & McConkie
1800 Eagle Gate Tower
60 East South Temple
P.O. Box 45120
Salt Lake City, Utah 84111-1004
Telephone: (801) 323-5934
Fax: (801) 321-4893

CERTIFICATE OF TRANSMISSION/MAILING

Ref. No.: 12439-0186

I hereby certify that this correspondence is being facsimile transmitted to the USPTO at (571) 273-8300 or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on August 3, 2005.

Erin Cowles



PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a) FY 2005	Docket Number (Optional) P98-US																								
Application Number: 09/547,561	Filed: April 12, 2000																								
For: Shaped Spring																									
Art Unit: 2833	Examiner: Alexander Gilman																								
This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above identified application.																									
The requested extension and fee are as follows (check time period desired and enter the appropriate for below):																									
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;"></th> <th style="width: 15%; text-align: center;"><u>Fee</u></th> <th style="width: 15%; text-align: center;"><u>Small Entity Fee</u></th> <th style="width: 35%;"></th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))</td> <td style="text-align: center;">\$120</td> <td style="text-align: center;">\$60</td> <td style="text-align: center;"><u>\$120.00</u></td> </tr> <tr> <td><input type="checkbox"/> Two month (37 CFR 1.17(a)(2))</td> <td style="text-align: center;">\$450</td> <td style="text-align: center;">\$225</td> <td style="text-align: center;">\$</td> </tr> <tr> <td><input type="checkbox"/> Three month (37 CFR 1.17(a)(3))</td> <td style="text-align: center;">\$1020</td> <td style="text-align: center;">\$510</td> <td style="text-align: center;">\$</td> </tr> <tr> <td><input type="checkbox"/> Four month (37 CFR 1.17(a)(4))</td> <td style="text-align: center;">\$1590</td> <td style="text-align: center;">\$795</td> <td style="text-align: center;">\$</td> </tr> <tr> <td><input type="checkbox"/> Five month (37 CFR 1.17(a)(5))</td> <td style="text-align: center;">\$2160</td> <td style="text-align: center;">\$1080</td> <td style="text-align: center;">\$</td> </tr> </tbody> </table>			<u>Fee</u>	<u>Small Entity Fee</u>		<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60	<u>\$120.00</u>	<input type="checkbox"/> Two month (37 CFR 1.17(a)(2))	\$450	\$225	\$	<input type="checkbox"/> Three month (37 CFR 1.17(a)(3))	\$1020	\$510	\$	<input type="checkbox"/> Four month (37 CFR 1.17(a)(4))	\$1590	\$795	\$	<input type="checkbox"/> Five month (37 CFR 1.17(a)(5))	\$2160	\$1080	\$
	<u>Fee</u>	<u>Small Entity Fee</u>																							
<input checked="" type="checkbox"/> One month (37 CFR 1.17(a)(1))	\$120	\$60	<u>\$120.00</u>																						
<input type="checkbox"/> Two month (37 CFR 1.17(a)(2))	\$450	\$225	\$																						
<input type="checkbox"/> Three month (37 CFR 1.17(a)(3))	\$1020	\$510	\$																						
<input type="checkbox"/> Four month (37 CFR 1.17(a)(4))	\$1590	\$795	\$																						
<input type="checkbox"/> Five month (37 CFR 1.17(a)(5))	\$2160	\$1080	\$																						
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.																									
<input type="checkbox"/> A check that includes the fee is enclosed.																									
<input checked="" type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.																									
<input type="checkbox"/> The Director has already been authorized to charge fees in this application to a Deposit Account.																									
<input checked="" type="checkbox"/> The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number <u>50-0843</u> .																									
WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																									
I am the <div style="display: inline-block; vertical-align: top; margin-left: 20px;"> <input type="checkbox"/> applicant/inventor <input type="checkbox"/> assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed (Form PTO/SB/96) <input checked="" type="checkbox"/> attorney or agent of record. Registration Number <u>39,923</u> <input checked="" type="checkbox"/> attorney or agent under 37 CFR 1.34. Registration Number <u>39,923</u> </div>																									
N. Kenneth Burraston	<div style="text-align: center;"> <u>August 3, 2005</u> Date </div> <div style="text-align: center; margin-top: 20px;"> <u>(801) 323-5934</u> Telephone Number </div>																								
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.																									
<input type="checkbox"/> Total of _____ forms are submitted.																									



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/547,561
 Applicant : Mathieu et al.
 Filed : April 12, 2000
 TC/A.U. : 2833
 Examiner : Alexander Gilman

Confirmation No. 6320

Docket No. : P98-US

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

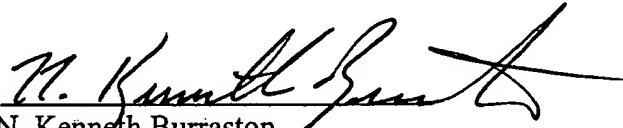
GENERAL AUTHORIZATION TO CHARGE DEPOSIT ACCOUNT

To Whom It May Concern:

Throughout prosecution of the above-identified patent application, and pursuant to 37 C.F.R. § 1.25(b), where no check is received by the Commissioner, Applicants authorize and request the Commissioner to charge all fees due at any time during the pendency of the above-identified application (or to credit any overpayment) to Deposit Account No. 50-0843, account name Kirton & McConkie (Order No. 12439-0186).

Respectfully submitted,

Date: August 3, 2005

By 
 N. Kenneth Burraston
 Reg. No. 39,923

Kirton & McConkie
 1800 Eagle Gate Tower
 60 East South Temple
 P.O. Box 45120
 Salt Lake City, Utah 84111-1004
 Telephone: (801) 323-5934
 Fax: (801) 321-4893



12439-0186

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/547,561 Confirmation No. 6320
Applicant : Mathieu et al.
Filed : April 12, 2000
TC/A.U. : 2833
Examiner : Alexander Gilman

Docket No. : P98-US

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

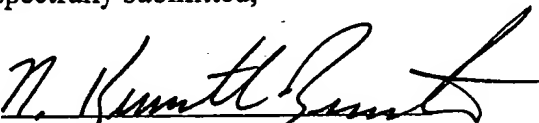
GENERAL AUTHORIZATION/PETITION FOR EXTENSION OF TIME

To Whom It May Concern:

Throughout prosecution of the above-referenced patent application, and pursuant to 37 C.F.R. § 1.136(a)(3), Applicants authorize and request the Commissioner to treat any correspondence requiring a petition for extension of time as containing a request for the required extension of time. Where no check is received by the Commissioner, the Commissioner is hereby authorized to charge payment of the requisite petition fees (or credit any overpayment) to Deposit Account No. 500843, account name Kirton & McConkie (Order No. 12439-0186).

Respectfully submitted,

Date: August 3, 2005

By 
N. Kenneth Burraston
Reg. No. 39,923

Kirton & McConkie
1800 Eagle Gate Tower
60 East South Temple
P.O. Box 45120
Salt Lake City, Utah 84111-1004
Telephone: (801) 323-5934
Fax: (801) 321-4893

Blake B

P. 1

* * * COM. ID. ON RESULT REPORT (AUG. 3. 2005 (7AM) * * *

FAX HEADER: KIRTON & MCCONKIE

TRANSMITTED/STORED : AUG. 3. 2005 9:30AM
FILE MODE OPTION

ADDRESS

RESULT

PAGE

547 MEMORY TX

*6124390186915712738300

OK

17/17



REASON FOR ERROR
E-1) HANG UP OR LINE FAIL
E-3) NO ANSWER

E-2) BUSY
E-4) NO FACSIMILE CONNECTION

**KIRTON &
McCONKIE**

TELEPHONE (801) 328-3600
FACSIMILE (801) 321-4893

A PROFESSIONAL CORPORATION
1800 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
P.O. BOX 45120
SALT LAKE CITY, UTAH 84145-0120

FACSIMILE TRANSMISSION SHEET

DATE: August 3, 2005

BILLING #: 12439.186

TO: Examiner Alexander Gilman
Commissioner for Patents

FAX #: (571) 273-8300

FROM: N. Kenneth Burraston

17 NUMBER OF PAGES INCLUDING COVER SHEET

COMMENTS:

**IF YOU DO NOT RECEIVE ALL OF THE PAGES,
PLEASE CALL OUR OFFICE AT (801) 328-3600 AS SOON AS POSSIBLE.**

This is a confidential communication and is not to be delivered or read by any person other than the addressee.
Facsimile transmission is not intended to waive the attorney-client privilege or any other privilege.
If this transmission is received by anyone other than the addressee, the recipient is requested to call Kirton & McConkie
collect at (801) 328-3600, and to immediately return this document to Kirton & McConkie by United States mail.
Kirton & McConkie guarantees return postage.



Glaze

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/547,561
Applicant : Mathieu et al.
Filed : April 12, 2000
TC/A.U. : 2833
Examiner : Alexander Gilman

Confirmation No. 6320

Docket No. : P98-US

Mail stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT OF PERSONAL KNOWLEDGE UNDER 37 CFR 1.8(b)

To Whom It May Concern:

I, Erin Cowles, attest on a personal knowledge basis that on August 3, 2005 the 17 pages in Exhibit A of this paper were transmitted by facsimile to the US Patent and Trademark Office as indicated on the Certificate of Transmission/Mailing on the Fee Transmittal, the Amendment, and the Petition For Extension Of Time in Exhibit A. The 17 pages in Exhibit A were transmitted as a response to the Office Action dated April 4, 2005 in the above identified patent application.

Signed *Erin Cowles* Date: 7/25/2006
Erin Cowles